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Part Number: [1723164116](#)
Status: **Active**
Overview: [Ultra-Fit Power Connectors](#)
Description: Ultra-Fit Right-Angle Header, 3.50mm Pitch, Dual Row, 16 Circuits, Matte Tin (Sn) Plating, Natural, Glow-Wire Capable

Documents:

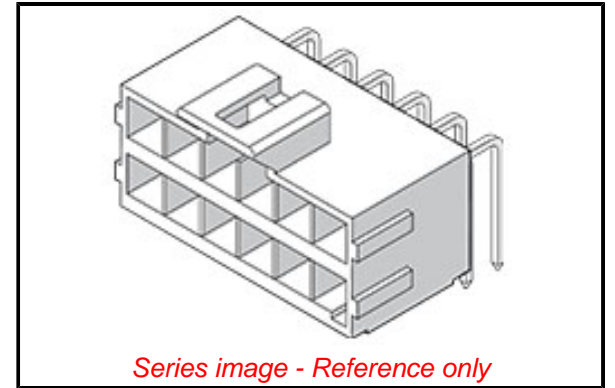
3D Model	Product Specification PS-172323-0001-001 (PDF)
3D Model (PDF)	Packaging Specification 1723161114-PK-000 (PDF)
Drawing (PDF)	Datasheet (PDF)
Product Specification 1723230001-TS-000 (PDF)	Symbol Footprint Data SYM-172316-3116 (PDF)
Product Specification 1723231000-PS-CH-000 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	172316
Application	Power, Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Overview	Ultra-Fit Power Connectors
Product Name	Ultra-Fit
UPC	889056866996

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural
Durability (mating cycles max)	25
First Mate / Last Break	No
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	5.434/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.50mm
Pitch - Termination Interface	3.50mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
henicosaflooroundecanoic
acid
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
chromium trioxide
1,3-propanesultone
1-vinylimidazole
4,4'-methylenedi-o-
toluidine
dibutyltin dichloride
methoxyacetic acid
diisopentylphthalate
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
octamethylcyclotetrasiloxane
benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
decamethylcyclopentasiloxane
dodecamethylcyclohexasiloxane
heptacosafloorotetradecanoic
acid
tricosafloorododecanoic
acid
di-n-pentyl phthalate
(DPP)
6-methoxy-m-toluidine
furan
1-bromopropane
nitrobenzene
4-o-tolylazo-o-
toluidine
ethylene thiourea

China RoHS

Electrical

Current - Maximum per Contact
Voltage - Maximum

12.0A
600V AC (RMS)/DC

Material Info**Reference - Drawing Numbers**

Packaging Specification
Product Specification

1723161114-PK-000
1723230001-TS-000, 1723231000-PS-CH-000,
PS-172323-0001-001
1723162000-000
SYM-172316-3116

Sales Drawing
Symbol/Footprint Data

4-methyl-m-phenylenediamine
o-toluidine
butyl 4-hydroxybenzoate
dinoseb (ISO)
dihexyl phthalate (DnHP)
dicyclohexyl phthalate
N-methylacetamide
dimethyl sulphate
diethyl sulphate
4-aminoazobenzene
Fatty acids, C16-18, lead salts
[phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅), barium salt (1:1), lead-
Perfluorohexane-1-sulphonic acid and its salts
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5
1,2-benzenedicarboxylic acid, di-C₆-10-alkyl est
Cadmium sulphate
Sodium perborate; perboric acid, sodium salt
hexahydro-2-benzofuran-1,3-dione
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
Perfluorononan-1-oic acid
(2,2,3,3,4,4,5,5,6,6,7
Reaction
products of 1,3,4-thiadiazolidine-2,5-d
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Chrysene
Cadmium nitrate
Pyrene
Tris(4-nonylphenyl, branched and linear)
phosphi
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
Trixylyl phosphate
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Aluminosilicate
Refractory Ceramic
Fibres
Boric acid

Disodium tetraborate
Hydrazine
1,3-BENZENEDIOL,
TRINITRO-, LEAD
SALT
n-pentyl-
isopentylphthalate
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
pentacosafuorotridecanoic
acid
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
Terphenyl,
hydrogenated
2-(2H-benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
2-(2H-benzotriazol-2-
yl)-4,6-
ditertpentylphenol
dibutylbis(pentane-2,4-
dionato-O,O')tin
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
disodium octaborate
sodium
peroxometaborate
ammoniumpentadecafluorooctanoate
pentazinc chromate
octahydroxide
1,2-dichloroethane
trilead diarsenate
2-methoxyaniline
arsenic acid
N,N-
dimethylacetamide
lead dipicrate
potassium
hydroxyoctaoxodizincatedichromate(1-)
bis(2-methoxyethyl)
ether
calcium arsenate
1,2-
benzenedicarboxylic
acid; di-C6-8-
branched a
N-methyl-2-
pyrrolidone
1,2-
benzenedicarboxylic
acid; di-C7-11-
branched
2-ethoxyethyl acetate
cobalt sulphate
cobalt di(acetate)
cobalt carbonate

tetraboron disodium
heptaoxide, hydrate
sodium chromate
potassium dichromate
potassium chromate
ammonium
dichromate
tris(2-chloroethyl)
phosphate
Lead sulfochromate
yellow
Lead chromate
molybdate sulfate red
lead chromate
Anthracene oil,
anthracene-low;
Anthracene Oil F
Anthracene oil,
anthracene paste,
distn. lights;
Anthracene oil,
anthracene paste,
anthracene fra
Anthracene oil,
anthracene paste;
Anthracene Oil
Butylbenzylphthalate
(BBP)
lead hydrogen
arsenate
bis(2-ethylhexyl)
phthalate (DEHP)
dibutyl phthalate
(DBP)
4,4'-
diaminodiphenylmethane
triethyl arsenate
Sulfurous acid, lead
salt, dibasic
Acetic acid, lead salt,
basic
cadmium hydroxide
Lead titanium
zirconium oxide
dioxobis(stearato)trilead
tetralead trioxide
sulphate
trilead dioxide
phosphonate
pentalead tetraoxide
sulphate
lead oxide sulfate
Silicic acid, lead salt
cadmium chloride
lead dinitrate
pyrochlore, antimony
lead yellow
cadmium fluoride
cadmium
lead
 α,α' Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)

[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl-1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(Lead oxide trilead bis(carbonate) dihydroxide orange lead cadmium sulphide cadmium oxide (non-pyrophoric) diboron trioxide bis(pentabromophenyl) ether 4,4'-bis(dimethylamino)-4''-(methylamino)trityl [4-[4,4'-bis(dimethylamino) benzhydrylidene]cycl cadmium carbonate 1,2-dimethoxyethane 4,4'-bis(dimethylamino)benzophenone dichromium tris(chromate) phenolphthalein lead diazide bis(2-methoxyethyl) phthalate Formaldehyde, polymer with benzenamine

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[172316 Series](#)

Mates With

Ultra-Fit Receptacle Housing [1722584116](#)

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